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NCBC GULFPORT
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LETTER DISCUSSING CALCULATION OF AUGER DAYS, TABULATION OF DAILY
TONNAGE PROCESSED AND REMAINING TONNAGE AT THE END OF 150 OPERATIONAL
DAYS NCBC GULFPORT MS
4/22/1985
TYNDALL AIR FORCE BASE



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4/22/88
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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE ENGINEERING AND SERVICES CENTER
TYNDALL AIR FORCE BASE FL 32403-6001

Major Terry Stoddart
HQ AFESC/RDVW
Tyndall AFB FL
32403

Ms. Carone Falconer
EPA Region IV
345 Courtland St NE
Atlanta GA 30365

Dear Ms. Falconer,

1. Please reference your 20 Apr 88 telecon regarding the permit extension Naval Construction Battalion Center, Gulfport MS (EPA I.D. # MS2 170 022 626). The EG&G site manager, Mr. Steve Deiro, prepared a response explaining:

- (1) calculation of auger days;
- (2) tabulation of daily tonnage processed; and,
- (3) remaining tonnage at the end of 150 operational days.

I will summarize his letter.

2. Auger days calculation. The Data Acquisition System (DAS) for the unit continuously monitors the auger rpm. The DAS is reset at the end of each 12-hour operations shift (0600 & 1800). Each 15-minute printout from the computer gives the current total of the auger "off" time (AOT). At the end of each shift, the shift supervisor summarizes this AOT on the AWFSO Trip Summary Report. Auger "days" are calculated by subtracting the total AOT from 24 hours and then dividing by 24 hours $(24 - \text{AOT} / 24)$. This ratio is the proportion of the day the auger was actually feeding material to the unit.

3. Tonnage processed tabulation. The DAS computer receives input from the weigh hopper every six seconds. The weigh hopper value increases during filling operations and decreases as material is released onto the conveyor enroute to the screw auger. Each 15-minute printout summarizes the net decreases in the weigh hopper value from the previous 15-minute period. The DAS is reset at the end of each shift; i.e., the net total is zero at the beginning of the shift. The operator in the control room also records the weight of each load dumped in the weigh hopper. This data is taken from the indicator readings that update the DAS. Another manual log is kept by the material handlers, outside directly from the scale on the weigh hopper. Shift supervisors use these logs to backup/verify the tonnage calculated by the DAS on the Daily Report.

3. 150 day summary. The 150 operational day mark should be reached on/about 28 Jun 88. Currently, half of the permitted soil volume (5500 cubic yards) has been processed in almost two-

thirds of the permitted operational time (100 days). Approximately 14,372 tons of soil will have been processed at the end of the 150 operational days. Based on assumptions of 2200 tons/month of processed soil averaging 1.75 tons per cubic yard and 0.75 operational days per calendar day at least 200 auger days (50 more than currently permitted) will be required to complete processing of 11,000 cubic yards of NCBC soil.

4. My 15 Apr 88 letter to EPA Region IV (Mr. Tobin) asked for an increase in the total volume to 14,000 cubic yards to account for the high soil moisture realized during the processing and for other contingencies thus far. The remaining tons to process past the 150 day permit (including the 3000 cubic yard contingency) is about 10,134 tons. An additional 100 auger days are anticipated to process the remaining soil.

4. Please call me at (904) 283-2942 if you have any questions.

Sincerely,

Terry L. Woodard